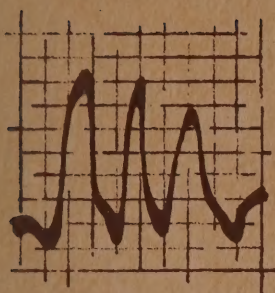

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P.O. Box 1105
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SUPPLEMENT
TO
BOOK 2
COMMUNICATION CENTRAL SYSTEM
AN/MRC-66 ( )
CENTRAL EQUIPMENT

MOTOROLA INC.

WESTERN MILITARY ELECTRONICS CENTER

PHOENIX, ARIZONA

C. Tepper

SUPPLEMENT
TO
BOOK 2
COMMUNICATION CENTRAL SYSTEM
AN/MRC-66 ( )
CENTRAL EQUIPMENT

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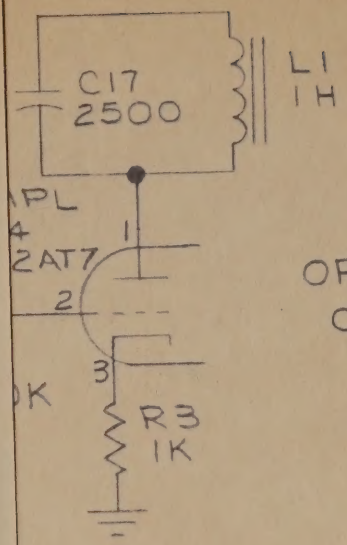
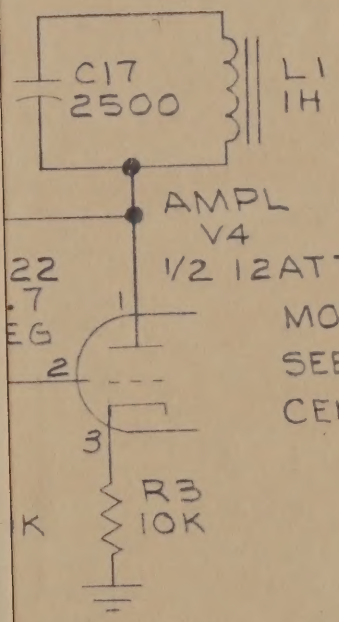
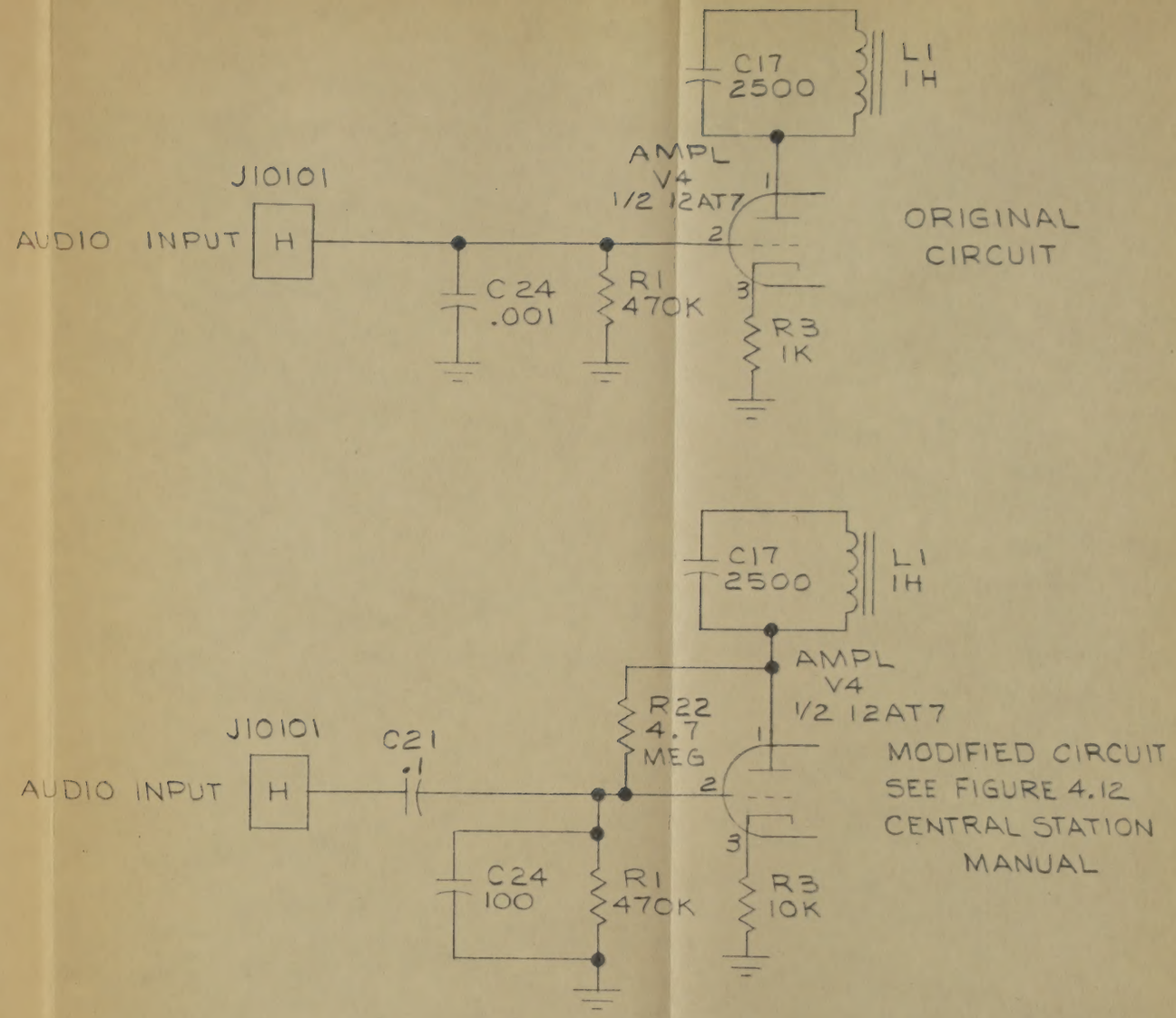


ORIGINAL CIRCUIT

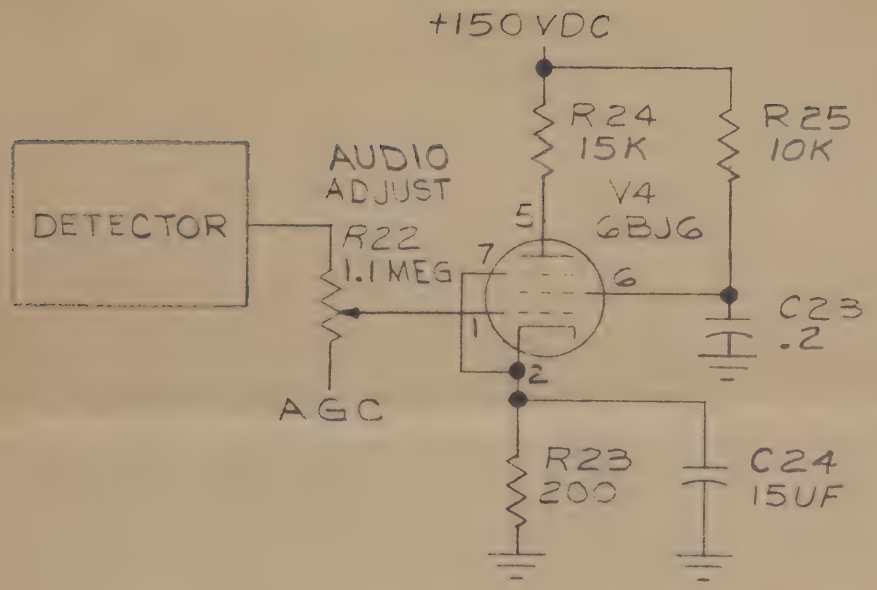


MODIFIED CIRCUIT
SEE FIGURE 4.12
CENTRAL STATION
MANUAL

FOR CENTRAL STATION



(A) SSB MODIFICATION FOR CENTRAL STATION



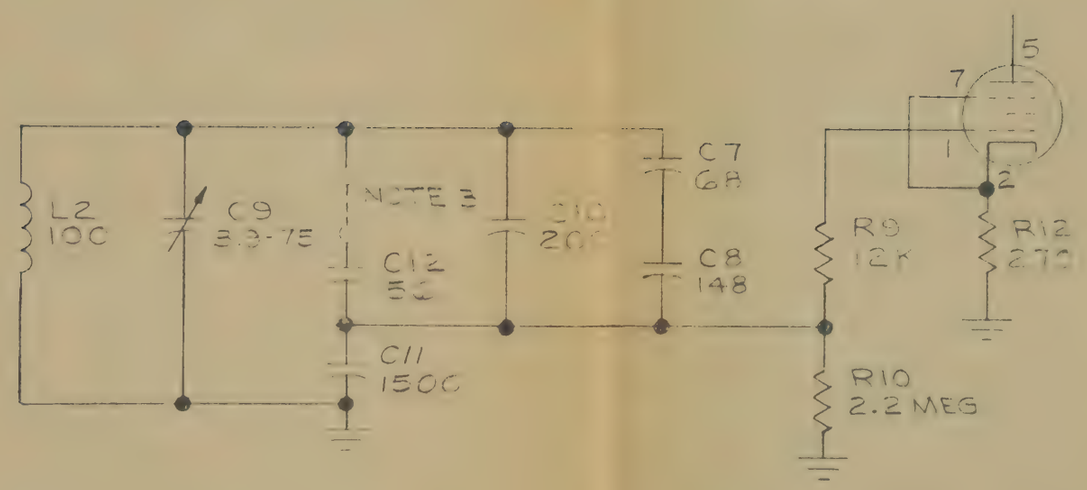
MODIFIED CIRCUIT
SEE FIGURE 4.7
CENTRAL STATION
MANUAL

(B) CENTRAL STATION AUDIO AMPLIFIER MODIFICATION

N

FIGURE 4.7
TRAL STATION
MANUAL

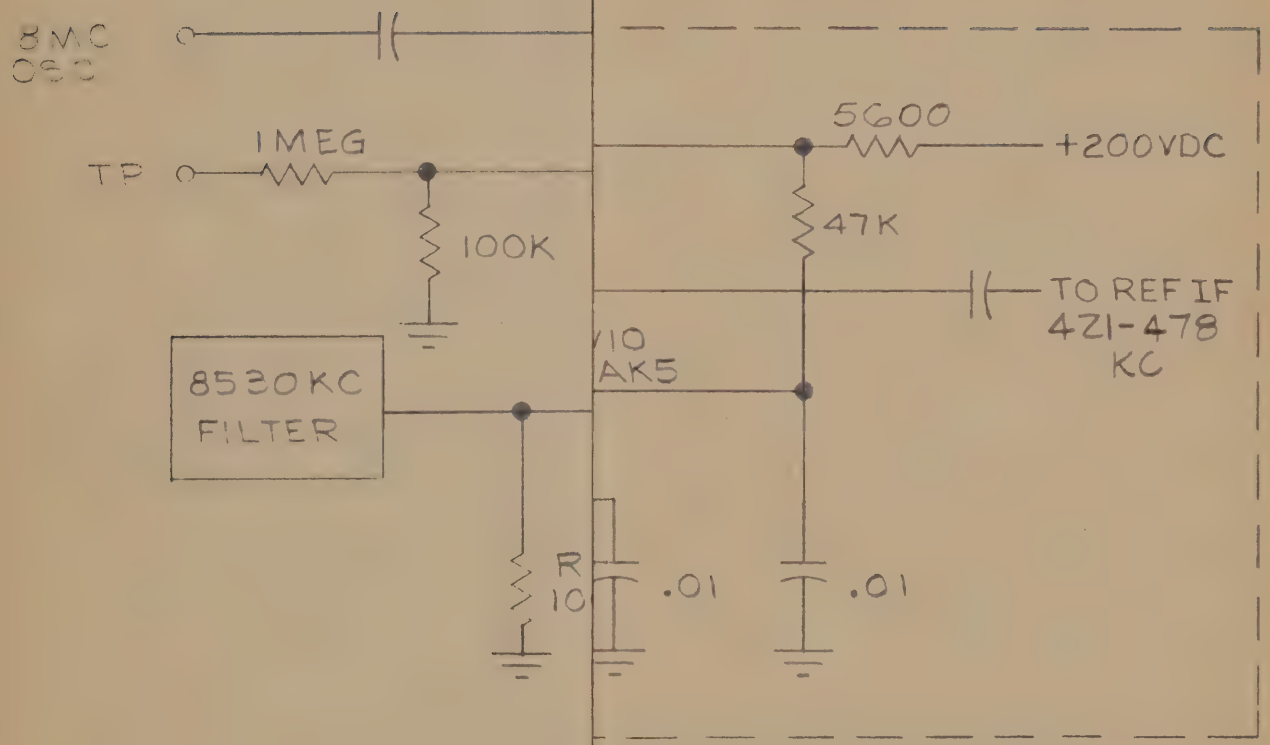
DUUF) CHANGED TO
F N470 CAPACITORS
NELS A, B, C, AND D
D COMPENSATE FOR
N CHANNEL OSCILLATOR
ANGE IN INDUCTANCE



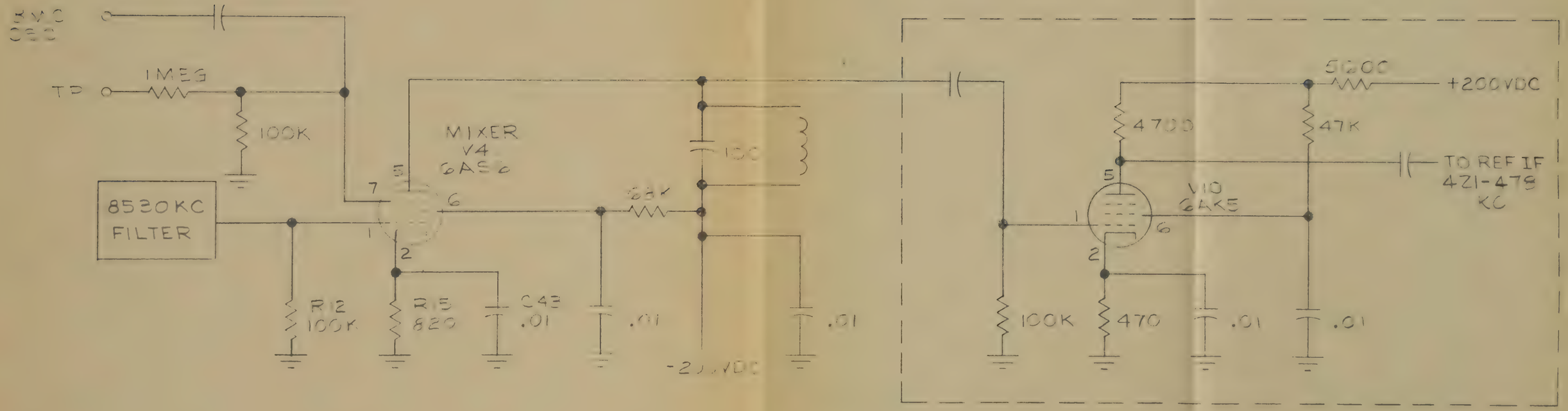
SEE FIGURE 4.7
CENTRAL STATION
MANUAL

C10 (200UUF) CHANGED TO
2-100UUF N470 CAPACITORS
IN CHANNELS A,B,C, AND D
ONLY. TO COMPENSATE FOR
DRIFT IN CHANNEL OSCILLATOR
AND CHANGE IN INDUCTANCE
OF L2.

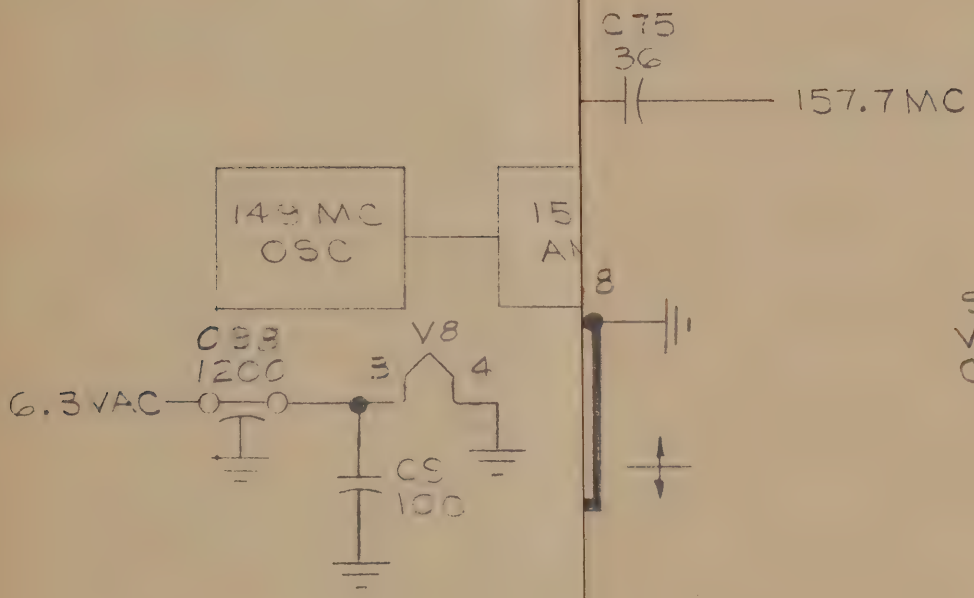
(C) CENTRAL STATION EXALTED DETECTOR MODIFICATIONS



STATION RECEIVER
MPL MODIFICATIONS

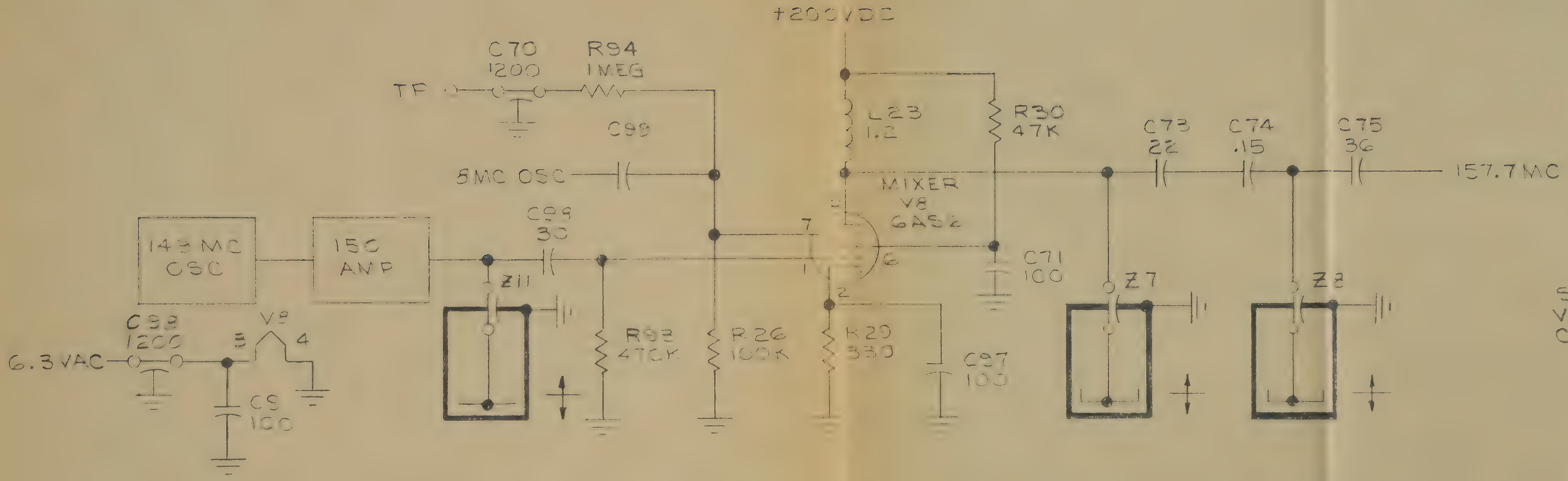


(D) CENTRAL STATION RECEIVER
LF IF AMPL MODIFICATIONS



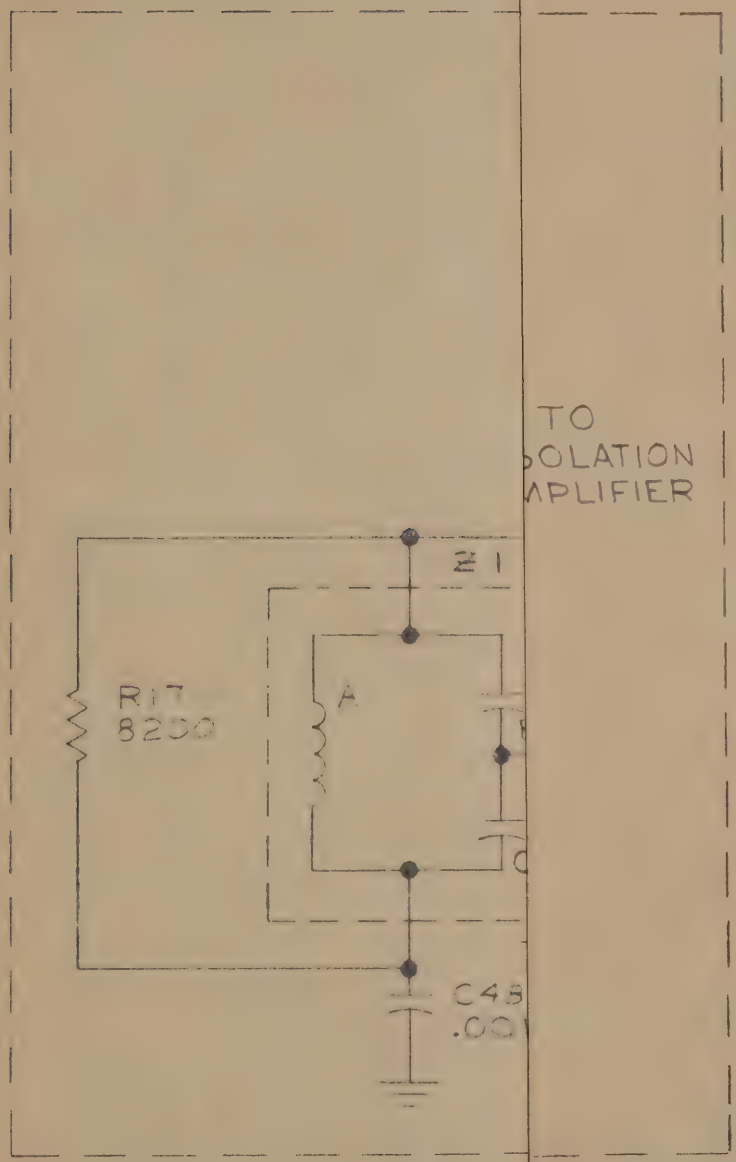
SEE FIGURE 4.4
VHF RECEIVER
CENTRAL STATION
MANUAL

(E) 157.7

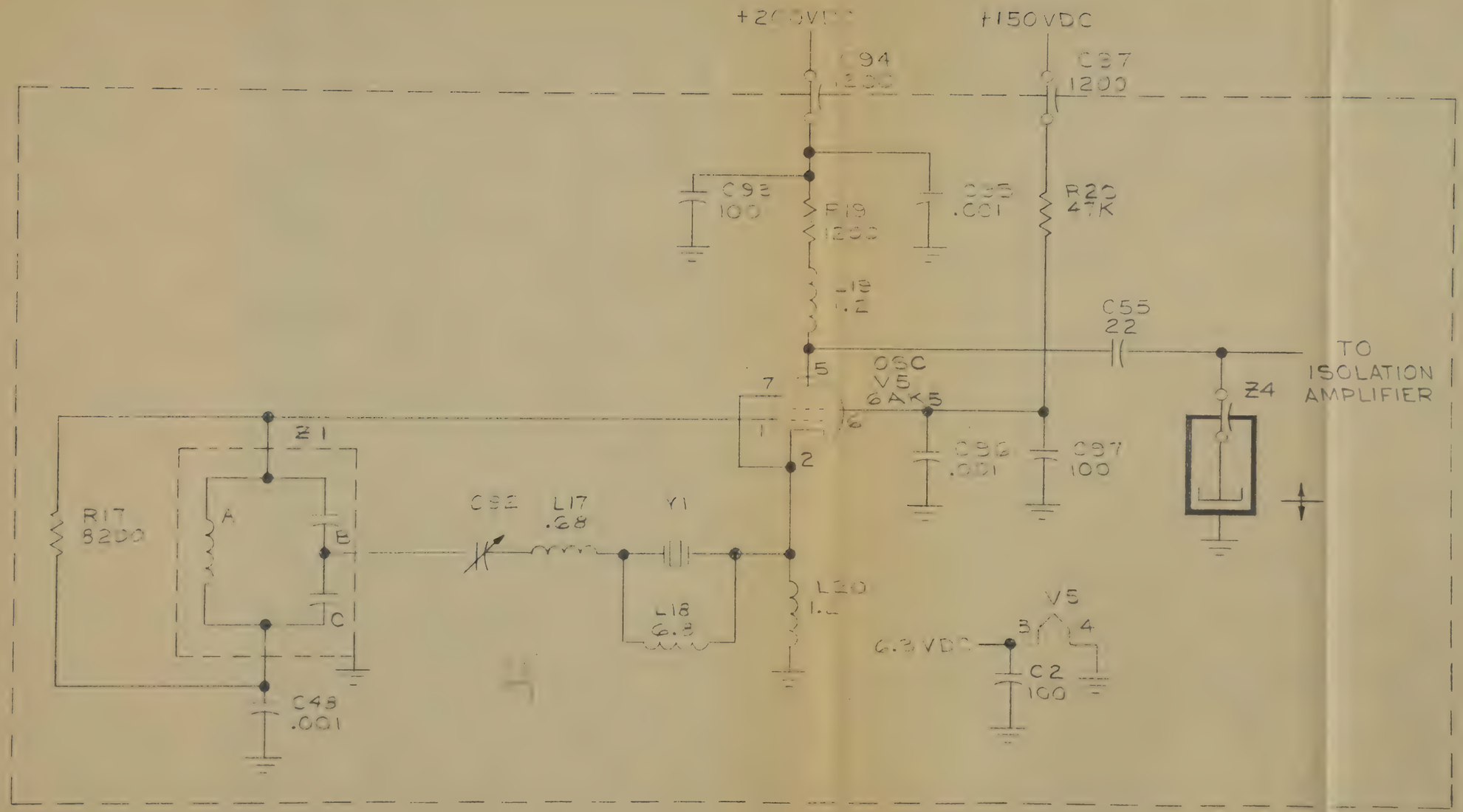


SEE FIGURE 4.4
VHF RECEIVER
CENTRAL STATION
MANUAL

(E) 157.7 MIXER (INJECTION PATH) CENTRAL RECIEVER MODIFICATION

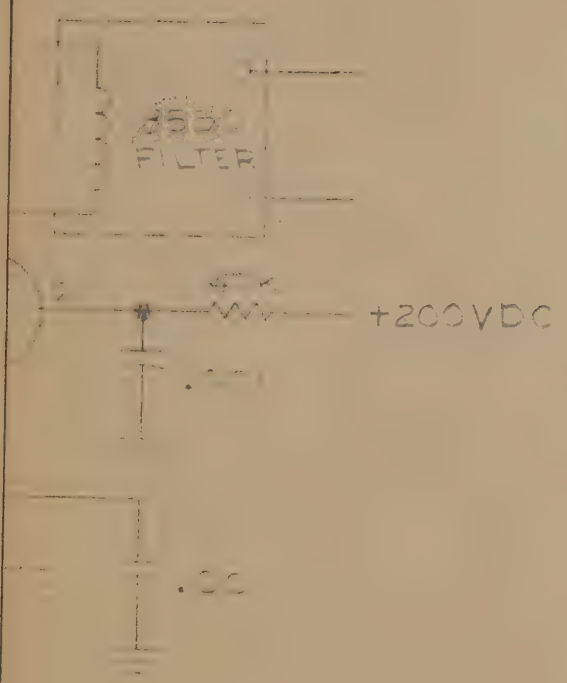

TO
OLATION
MPLIFIER
Z1
R1T
8200
A
C48
.00
SEE FIGURE 4.4
CENTRAL STATION
MANUAL

(F) CEN

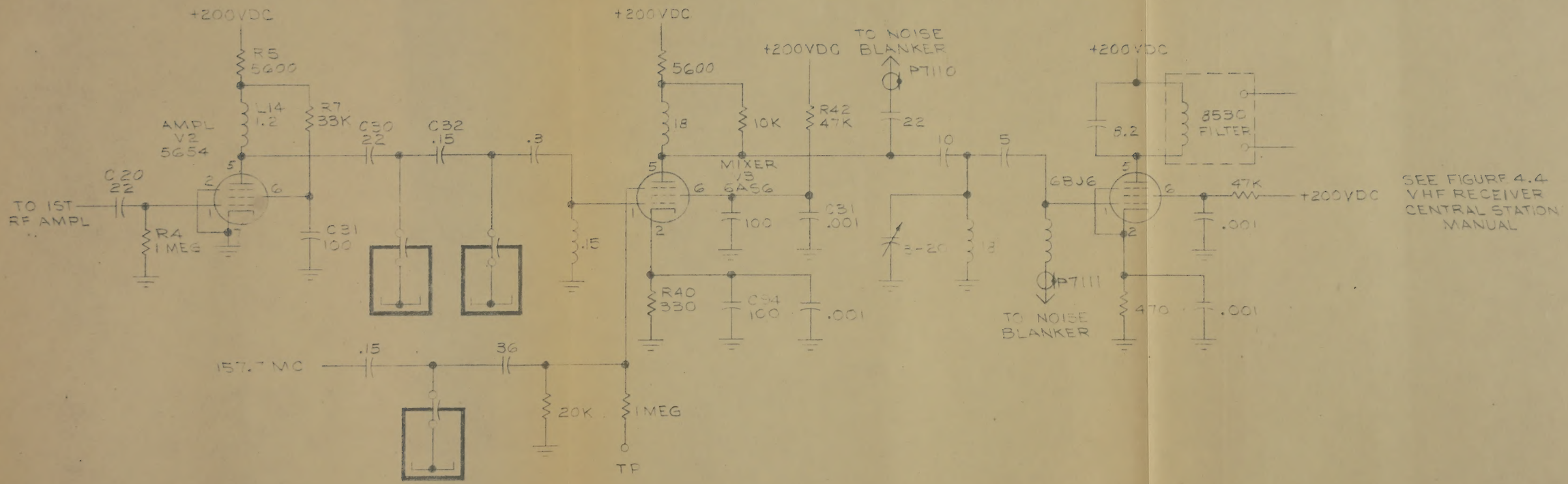


SEE FIGURE 4.4
CENTRAL STATION
MANUAL

(F) CENTRAL STATION 149 MC OSCILLATOR MODIFICATION



SEE FIGURE 4.4
VHF RECEIVER
CENTRAL STATION
MANUAL



(G) 1ST MIXER CENTRAL RECEIVER